

# Silicone free Antifoam DCA-442

---

 [dcachem.com/portfolio/silicone-free-antifoam-dca-442](https://dcachem.com/portfolio/silicone-free-antifoam-dca-442)

## Introduction

---

DCA-442 is a non-silicone defoamer, suitable for improving the flowability of both solvent-based and non-solvent-based coatings. It offers strong suppression, defoaming, and bursting effects, particularly effective in high-viscosity coating systems. It also possesses good compatibility and does not easily cause shrinkage holes, ensuring safe application performance.

## Physicochemical Data

---

- Chemical composition: Acrylic ester copolymer.
- Appearance: Pale yellow transparent solution.
- Active content: 100%
- Solvent: None

## Product features

---

- DCA-442 is a modified acrylic ester copolymer that maintains strong defoaming while improving the flowability and increasing the flatness of the paint film.
- It addresses difficult defoaming challenges in high-viscosity systems, preventing bubble incorporation during stirring, and facilitating the release of small bubbles from the coating.
- DCA-442 is suitable for thick coating applications, overcoming issues of bubbling and blistering, resulting in a smooth coating surface.

## Application areas

---

Recommended for two-component PU, amino baking paint, nitro dipping, acid-cured amino, epoxy, and other solvent or non-solvent systems.

## Addition Method

---

A recommended concentration is between 0.1% to 1.0% of the total volume. Optimal dosage should be determined through testing. Mix under high shear force, preferably before grinding.

## Packaging and storage:

---

25KG iron drum, stored in a cool and dry place.

**Note:** The purpose of this manual is to provide basic product information to technical personnel involved in the development of coatings, inks, pesticides, and other industries. It is intended for research and reference use and does not carry any warranties. Please conduct preliminary tests to assess its suitability.